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OM protein - protein search, using sw model

Run on: June 18, 2003, 15:26:51 ; Search time 13.1269 seconds

(without alignments)
775.530 Million cell updates/sec

Title: US-09-807-933B-11

Perfect score: 1895
Sequence: 1 MRFSTIASALLLAASSTVAA.....TFKAVTCAPIIAKTGCERK 346

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 2942292 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/prodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/prodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/prodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/prodata/1/iaa/6C_COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	698.5	36.9	306	4 US-09-189-0608-68	Sequence 68, Appl
2	686.5	36.2	299	2 US-08-872-437-2	Sequence 2, Appl
3	686.5	36.2	299	3 US-08-651-136C-12	Sequence 12, Appl
4	686.5	36.2	299	4 US-09-229-911A-12	Sequence 12, Appl
5	683.5	36.1	222	3 US-08-651-136C-14	Sequence 14, Appl
6	683.5	36.1	222	4 US-09-229-911A-14	Sequence 14, Appl
7	683.5	36.1	294	3 US-08-651-136C-24	Sequence 24, Appl
8	683.5	36.1	294	4 US-09-229-911A-24	Sequence 24, Appl
9	681.5	36.0	304	4 US-09-189-0608-72	Sequence 72, Appl
10	680	35.9	349	3 US-08-651-136C-10	Sequence 10, Appl
11	680	35.9	349	4 US-09-229-911A-10	Sequence 10, Appl
12	678.5	35.8	225	3 US-08-651-136C-2	Sequence 2, Appl
13	678.5	35.8	225	4 US-09-229-911A-2	Sequence 2, Appl
14	678.5	35.8	297	3 US-08-651-136C-4	Sequence 4, Appl
15	678.5	35.8	297	4 US-09-229-911A-4	Sequence 4, Appl
16	678.5	35.8	308	3 US-08-651-136C-6	Sequence 6, Appl
17	678.5	35.8	308	4 US-09-229-911A-6	Sequence 6, Appl
18	668	35.3	310	3 US-08-651-136C-22	Sequence 22, Appl
19	668	35.3	310	4 US-09-229-911A-22	Sequence 22, Appl
20	665	35.1	307	4 US-09-189-0608-74	Sequence 74, Appl
21	664.5	35.1	308	4 US-09-189-0608-70	Sequence 70, Appl
22	657.5	34.7	285	4 US-09-189-0608-66	Sequence 66, Appl
23	654	34.5	285	4 US-09-230-225B-6	Sequence 6, Appl
24	654	34.5	305	4 US-09-230-222-1	Sequence 1, Appl
25	653	34.5	286	4 US-09-254-733-3	Sequence 3, Appl
26	652	34.4	234	4 US-09-230-665-6	Sequence 6, Appl
27	652	34.4	305	1 US-08-090-013-2	Sequence 2, Appl

28	652	34.4	305	1 US-08-081-328-2	Sequence 2, Appl
29	652	34.4	305	1 US-08-232-249-2	Sequence 2, Appl
30	652	34.4	305	2 US-08-921-425-8	Sequence 8, Appl
31	652	34.4	305	2 US-08-833-642A-2	Sequence 2, Appl
32	652	34.4	305	2 US-08-140-008A-4	Sequence 4, Appl
33	652	34.4	305	2 US-08-836-340-1	Sequence 1, Appl
34	652	34.4	305	3 US-08-389-423-2	Sequence 2, Appl
35	652	34.4	305	3 US-08-816-915-8	Sequence 8, Appl
36	652	34.4	305	4 US-09-189-060B-56	Sequence 56, Appl
37	652	34.4	305	4 US-09-230-665-2	Sequence 2, Appl
38	652	34.4	305	4 US-09-189-028-2	Sequence 2, Appl
39	652	34.4	305	5 PCT-US95-07743-8	Sequence 8, Appl
40	651.5	34.4	235	4 US-09-329-350-31	Sequence 31, Appl
41	651	34.4	284	3 US-08-411-777-10	Sequence 10, Appl
42	651	34.4	284	3 US-09-057-088-10	Sequence 10, Appl
43	644.5	34.0	357	1 US-08-411-777-9	Sequence 9, Appl
44	644.5	34.0	357	1 US-09-057-088-9	Sequence 9, Appl
45	644.5	34.0	376	1 US-08-090-013-4	Sequence 4, Appl

ALIGNMENTS

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RESULT 1
US-09-189-0608-68
; Sequence 68, Application US/09189060B
; Patent No. 6270968
; GENERAL INFORMATION:
; APPLICANT: Dalboge, Henrik
; APPLICANT: Sandal, Thomas
; APPLICANT: Kauppinen, Markus
; APPLICANT: Borge, Diderichsen
; TITLE OF INVENTION: Method Of Providing No. 6270968e1 DNA Sequences
; FILE REFERENCE: 4772.204-US
; CURRENT APPLICATION NUMBER: US/09/189,060B
; PRIOR FILING DATE: 1998-11-10
; PRIOR APPLICATION NUMBER: PCT/DK97/00216
; NUMBER OF SEQ ID NOS: 74
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Hybrid
US-09-189-060B-68
Query Match      36.9%; Score 698.5; DB 4; Length 306;
Best Local Similarity 57.7%; Pred. No. 6.5e-53;
Matches 123; Conservative 25; Mismatches 62; Indels 3; Gaps 1;

QY 133 GYPIPGGSGNGRTTRYWDCCPKSCAMDGKASVTPVLTCAKDGVSRGSDVQSGCVG 192
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DB 14 GLQVAPAPAAADRSRTRYWDCCPKSCMGDKASVAPVLTCDKNDPIDANAVSCNG 73

QY 193 QAYMCDNDPWWVNDLAVGFAAASIGSAGASAFCCGYELFTNTAAVGGKVVQVNT 252
||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 74 TSTTCNNBNPAAVNDLAVGFAATKLSGSSESMCCACTALFTTTPVAKTAVVSTNT 133

QY 253 GDDLTNHPDLQWPGGVGVFNCGSQMNTNTDGMGARVYGGISISECDKLPLOAGCK 312
||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 134 GGLGNHNDLQWPGGVGIPDGCSQW---GLGGAQYGGISRSRDCDSFLLADGCV 190

QY 313 WRFQWTKADNPEVTKAVTCAPIIAKTGCER 345
||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 191 WRYDFKXNDNPSFSPROVQCPALVARTGCR 223

RESULT 2
US-08-872-437-2
; Sequence 2, Application US/08872437
; Patent No. 5958082
; GENERAL INFORMATION:
; APPLICANT: Lund, Henrik
```

APPLICANT: Kallum, Lisbeth
TITLE OF INVENTION: Garments With Considerable Variation In
FILE OF INVENTION: Abrasion Level
FILE REFERENCE: 4888.200-US
CURRENT APPLICATION NUMBER: US/08/872,437
CURRENT FILING DATE: 1997-06-10
EARLIER APPLICATION NUMBER: 1276/96
EARLIER FILING DATE: 1996-11-13
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 2
LENGTH: 299
TYPE: PRT
ORGANISM: Thielavia terrestris
US-08-872-437-2

Query Match 36.2%; Score 686.5; DB 2; Length 299;
Best Local Similarity 53.6%; Pred. No. 6.9e-52;
Matches 125; Conservative 31; Mismatches 66; Indels 11; Gaps 2;

Db 113 KTTTNTTAAATTTSSNTGYSPISGFGNGRTTRWDCCPCPCAMDGKASTKPYLT 172
2 RSTPVLRTTAAALPL-----VASAASGSGSTRWDCCKRSCAMPKAAVSQPYVA 53
Qy 173 CAKDGVSRIGSDVSGCVGQAYMCNDNQPVVNDLAVGFAAASLGSAGASAFCCGYE 232
54 CDANFQRLSDPNTVSGCGNGSAYSCADQTPMAVNDNLAVGFAATSIAGSSESSWCACYA 113
Db 233 LFTNTAVAGKKEVYQVNTNTGDDLSTNHFDLPMPGGGVGFNGCQSQMNTNTDGMGARYG 292
114 LFTSGPVAAGKTMVVGSTSTGDLGNSQFDLAMPGGGVGFNGCQSQFGGLP---GAQYG 170
Qy 293 GISISSECDKLPTQLAGCKMRFGWFKNADNPEVTFKAVTSPAETIAKTGER 345
Db 171 GISRDQCDSPFAPLKGCCQWRFDWFOANLNPFTFQVOCPEAIVASGCKR 223

RESULT 3

US-08-651-136C-12
Sequence 12, Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schulein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6001639e No. 6001639disk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 299 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-12

Query Match 36.2%; Score 686.5; DB 3; Length 299;
Best Local Similarity 53.6%; Pred. No. 6.9e-52;
Matches 125; Conservative 31; Mismatches 66; Indels 11; Gaps 2;

Qy 113 KTTTNTTAAATTTSSNTGYSPISGFGNGRTTRWDCCPCPCAMDGKASTKPYLT 172
2 RSTPVLRTTAAALPL-----VASAASGSGSTRWDCCKRSCAMPKAAVSQPYVA 53
Db 173 CAKDGVSRIGSDVSGCVGQAYMCNDNQPVVNDLAVGFAAASLGSAGASAFCCGYE 232
54 CDANFQRLSDPNTVSGCGNGSAYSCADQTPMAVNDNLAVGFAATSIAGSSESSWCACYA 113
Qy 233 LFTNTAVAGKKEVYQVNTNTGDDLSTNHFDLPMPGGGVGFNGCQSQMNTNTDGMGARYG 292
114 LFTSGPVAAGKTMVVGSTSTGDLGNSQFDLAMPGGGVGFNGCQSQFGGLP---GAQYG 170
Db 293 GISISSECDKLPTQLAGCKMRFGWFKNADNPEVTFKAVTSPAETIAKTGER 345
171 GISRDQCDSPFAPLKGCCQWRFDWFOANLNPFTFQVOCPEAIVASGCKR 223

RESULT 4

US-09-229-911A-12
Sequence 12, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:
APPLICANT: Schulein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kaupinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6387690e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6387690e No. 6387690disk of No. 6387690th America, Inc.
STREET: 405 Lexington Avenue, 64th floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 299 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 12:

US-09-229-911A-12

Query Match 36.2%; Score 686.5; DB 4; Length 299;

Best Local Similarity 53.6%; Pred. No. 6.9e-52; Indels 11; Gaps 2;

Matches 125; Conservative 31; Mismatches 66; Indels 11; Gaps 2;

US-09-229-911A-12

113 KTTTKTTTKATTTSSNTGVSPIGSGFSGNGRTTRYMDCCKPCSCAMPDCKASVTRPVLT 172

2 RSTPVARTLTAALPL-----VASASGSGSQRVMDCCPCSPAMRCKAASQPVYA 53

173 CAKDGVSRIGSDVQSCVCGQAYMCDNDQPVVNDLAVGFAAASIGSAGASAFCCGCYE 232

54 CDAFQRLSDPNVQSCGCGSAYSCADQTPWAVNDLAVGFAATSIAGSESSWCCACVA 113

233 LFTFTAVAGKKRVQVNTGDDLSNHPDLOMPGGGVGFNGCCSOMNTNDGKARYG 292

114 LFTSGPVAGKTVVSTGTGDLGSDNFIDAMPGGGVGFNGCCSOFGLP--GAQYG 170

293 GISSISECDLPTQLAGCKMRFKFNADNPEVTFKAVTCPAEIIAKTGCR 345

171 GISSRQCCSFPAPLKGCCMRDWFQMDNPTFTQVQVCPAEIYARSGCR 223

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Qy

Db

Qy

Db

Qy

US-08-651-136C-14

Query Match 36.1%; Score 683.5; DB 3; Length 222;

Best Local Similarity 58.6%; Pred. No. 8.6e-52; Indels 3; Gaps 2;

Matches 119; Conservative 30; Mismatches 51; Indels 3; Gaps 2;

US-08-651-136C-14

144 NGRTTRYMDCCKPCSCAMPDCKASVTRPVLTCAQDGVSRIGSD-VQSGCVGQAYMCDNDP 202

21 SCVTRTYMDCCKPCSCAMPDCKASVTRPVLTCAQDGVSRIGSD-VQSGCVGQAYMCDNDP 80

203 WVVDLAVGFAAASIGSAGASAFCCGCYELFTNTAVAGKKRVVQVNTGDDLSNHPD 262

81 MAVNDSLXYGFAAAKLSGKQETDCCGCKYLTFTSTAVAGKQMIQVITNTGDLGNHPD 140

263 LQMPGGGVGFNGCCSOMNTNDGKARYGSISSICDCLPTQLAGCKMRFKFNADNPEVTFK 322

141 IMPGGGVGFNGCCSOMNTNDGKARYGSISSICDCLPTQLAGCKMRFKFNADNPEVTFK 198

323 NPEVTFKAVTCPAEIIAKTGCR 345

199 NPTVMEPTTCPOELVARTGCR 221

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Qy

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Qy

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Qy

Db

Qy

US-08-651-136C-14

Query Match 36.1%; Score 683.5; DB 3; Length 222;

Best Local Similarity 58.6%; Pred. No. 8.6e-52; Indels 3; Gaps 2;

Matches 119; Conservative 30; Mismatches 51; Indels 3; Gaps 2;

US-08-651-136C-14

144 NGRTTRYMDCCKPCSCAMPDCKASVTRPVLTCAQDGVSRIGSD-VQSGCVGQAYMCDNDP 202

21 SCVTRTYMDCCKPCSCAMPDCKASVTRPVLTCAQDGVSRIGSD-VQSGCVGQAYMCDNDP 80

203 WVVDLAVGFAAASIGSAGASAFCCGCYELFTNTAVAGKKRVVQVNTGDDLSNHPD 262

81 MAVNDSLXYGFAAAKLSGKQETDCCGCKYLTFTSTAVAGKQMIQVITNTGDLGNHPD 140

263 LQMPGGGVGFNGCCSOMNTNDGKARYGSISSICDCLPTQLAGCKMRFKFNADNPEVTFK 322

141 IMPGGGVGFNGCCSOMNTNDGKARYGSISSICDCLPTQLAGCKMRFKFNADNPEVTFK 198

323 NPEVTFKAVTCPAEIIAKTGCR 345

199 NPTVMEPTTCPOELVARTGCR 221

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Qy

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Qy

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Qy

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Qy

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Qy

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Qy

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Qy

Db

Qy

Db

Qy

Query Match	36.1%	Score	683.5	DB	4	Length	222
Best Local Similarity	58.6%	Score	No. 8.6e-52				
Matches	119	Conservative	30	Mismatches	51	Indels	3
				Gaps	2		
QY	144	NGRTTRRYDCCKCPSCAMIDGKASVTKPVLTCADGVSRIGSD-VQSGCYGGGAYMCNDNOP	202				
Db	21	SGVTTTRYMDCCCKPSCAMTGGKASVSRPVGCTINDNAQTPTDLTKSSCDGSSYYYSNOGP	80				
QY	203	WVYNDDLAYGFAPAAISLGSAGASAFCCGCGEYLFPTNTAAVAGKFFVQVNTNGDGLSTNHFD	262				
Db	81	MAVYNDLSLYGFAPAAATLSSKQETDWCOCCKLFTFTSTAASGKMIVQINTNGDGLDNNHFD	140				
QY	263	LQMPGGGIGYFNGCGSOMNTNTDGMGARYGGLSSLSSECDKLPQTQIQAQCKMFFGFKNAD	322				
Db	141	IAMPGGGIGIFNGCKQW--NGIINIGNOYGFPTDRSQCATPLPSKQASCNMRFDFMENAD	198				
QY	323	NPEVTFKAVTCPAEIIIAKIGCER	345				
Db	199	NPTVDMERYTCQELVARTGCR	221				

RESULT 7
US-08-651-136C-24
Sequence 24, Application US/08651136C
Patent No. 6001639

GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kauppinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Rudy I.
APPLICANT: Ihara, Michiko
TITLE OF INVENTION: Takagi, Shinobu
NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 60016390 No. 6001639disk of No. 6001639eth America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 294 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein
US-08-651-136C-24

Query Match 36.1%; Score 683.5; DB 3; Length 294;
Best Local Similarity 58.6%; Pred. No. 1.2e-51;
Matches 119; Conservative 30; Mismatches 51; Indels 3; Gaps 2

144 NGRTTRVMDCKPSCAMDGASVTYKLTCAKDGVSRIGSD-VQSGCVGGAGYMNCNDNP 202

Db 21 SGVTRRMYDCCKPKSCAMTKEKASVSRPVGCTDINDNAQTSPDLTKSSCDGSGAYVCNSDGP 80
 QY 203 WVVNDDLAAGFAAAISGSAGASAFCCGCGCYELFTNTAAGKKFVQVYQNTNGDDLSSTHFD 262
 Db 81 WANNDSLSYGFAPAAKISRGQETDWCOCCKKLFSTAVSAGKQMTVQITNTGGDIGNHFD 140
 QY 263 LOWPGGAVGVFNGCOSQNTNTDNGARVYGISISSECDKLPYLOAGCKKARFCMFKNAD 322
 Db 141 IAMPGGGVGIFNCCSKQW--NGININQNOYIGFTDPSQCATLPKMKQASCMNRFDFERNAD 198
 QY 323 NPEVTEKAVTCEPAEIIIAKTGCEER 345
 Db 199 NPTVDMEPVTCPOEIVARTGCSR 221

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      RESULT 8
      US-09-229-911A-24
      ; Sequence 24, Application US/09229911A
      ; Patent No. 6387690
      ; GENERAL INFORMATION:
      ; APPLICANT: Schulein, Martin
      ; Andersen, Lene N.
      ; Lassen, Soren F.
      ; Kauppinen, Markus S.
      ; Lene, Lene
      ; Nielsen, Rudy I.
      ; Inara, Michiko
      ; Takagi, Shinobu
      ; TITLE OF INVENTION: No. 6387690e1 Endoglucanases
      ; NUMBER OF SEQUENCES: 109
      ; CORRESPONDENCE ADDRESS:
      ; ADDRESS: No. 63876900 No. 6387690disk of No. 6387690th America, Inc
      ; STREET: 405 Lexington Avenue, 64th Floor
      ; CITY: New York
      ; STATE: New York
      ; COUNTRY: United States of America
      ; ZIP: 10174-6401
      ; COMPUTER READABLE FORM:
      ; MEDIUM TYPE: Floppy disk
      ; COMPUTER: IBM PC compatible
      ; OPERATING SYSTEM: PC-DOS/MS-DOS
      ; SOFTWARE: Patentin Release #1.0, Version #1.30
      ; CURRENT APPLICATION DATA:
      ; APPLICATION NUMBER: US/09/229,911A
      ; FILING DATE: 13-Jan-1999
      ; CLASSIFICATION: <Unknown>
      ; PRIOR APPLICATION DATA:
      ; APPLICATION NUMBER: 08/651,136
      ; FILING DATE: 21-MAY-1996
      ; ATTORNEY/AGENT INFORMATION:
      ; NAME: Lambitig, Elias J.
      ; REGISTRATION NUMBER: 33,728
      ; REFERENCE/DOCKET NUMBER: 4366.200-US
      ; TELECOMMUNICATION INFORMATION:
      ; TELEPHONE: 212-867-0123
      ; TELEFAX: 212-878-9655
      ; INFORMATION FOR SEQ ID NO: 24:
      ; SEQUENCE CHARACTERISTICS:
      ; LENGTH: 294 amino acids
      ; TYPE: amino acid
      ; TOPOLOGY: linear
      ; MOLECULE TYPE: protein
      ; SEQUENCE DESCRIPTION: SEQ ID NO: 24:
      ; US-09-229-911A-24
      ;
      Query Match      36.1%; Score 683.5; DB 4; Length 294;
      Best Local Similarity 58.6%; Pred. No. 1.2e-51;
      Matches 119; Conservative 30; Mismatches 51; Indels 3; Gaps 2;
      ;
      144 NGRTIRYWDCCPSGAMPDGKASVTKPYLTICADGVSRLGSD-VQSGCGVGQAAYMCNDNP 202
      21 SGVTRIRWDCCPSGAMPDGKASVSKPEVGTCIDINDNAQTSDLIKSCDGGSAIYCCNQP 80
  
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COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/229,911A

FILING DATE: 13-Jan-1999

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 349 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 10:

US-09-229-911A-10

Query Match

Best Local Similarity 35.9%; Score 680; DB 4; Length 349;

Matches 117; Conservative 32; Mismatches 53; Indels 2; Gaps 1;

Db

142 SGNRTTYMCCCKSCAMDKASVTKPVLTCADGVSRSLSDVOSGCVGGAAMCNDNQ 201

22 SGKHTTYMCCCKSCAMDKASVTKPVLTCADGVSRSLSDVOSGCVGGAAMCNDNQ 81

202 PMVVNDLAVGFAAASLSAGASAFCCGCELTFTNTAVAKKFEVQVNTGDDLSSTNF 261

82 PMVASEDLAVGFAAALSGTGESWCACVAILTFISGVAKKVVOSTNTGSDLSNNHF 141

262 DLQMPGAGVYFNGCQSQMNTNTDGMARVGGISISSECDKLPLOLQAGCKWRGQFKN 321

142 DLMIPGGGLGIFDGCQAQFGQLLP--GERYGGVSSRSQCDMPFELLKDGCMRDFWPN 199

322 DNEVTFKAVTCPEATITKTCER 345

200 DNPDIFFEQVQCPKELIIVSGCVR 223

Db

322 DNEVTFKAVTCPEATITKTCER 345

200 DNPDIFFEQVQCPKELIIVSGCVR 223

Db

322 DNEVTFKAVTCPEATITKTCER 345

200 DNPDIFFEQVQCPKELIIVSGCVR 223

Db

322 DNEVTFKAVTCPEATITKTCER 345

200 DNPDIFFEQVQCPKELIIVSGCVR 223

Db

322 DNEVTFKAVTCPEATITKTCER 345

200 DNPDIFFEQVQCPKELIIVSGCVR 223

Db

322 DNEVTFKAVTCPEATITKTCER 345

200 DNPDIFFEQVQCPKELIIVSGCVR 223

Db

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136C

FILING DATE: 21-MAY-1996

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 225 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-651-136C-2

Query Match

Best Local Similarity 35.8%; Score 678.5; DB 3; Length 225;

Matches 121; Conservative 26; Mismatches 69; Indels 7; Gaps 4;

Db

129 SSNTGYSPIS---GGFSGNGRTTYMCCCKSCAMDKASVTKPVLTCADGVSRSL 183

4 SATTGFLALPVLALDLSGIGQTRTYMCCCKSCAMDKASVTKPVLTCADGVSRSL 62

184 DVOSGC-VGGQAVMCDNQPMVNTDLAVGFAAASLSAGASAFCCGCELTFTNTAVAG 242

63 STSGCAGAGSAYMCSQSSEFVAVSDELSYGAIVKLAGSESGWCACCELTFTNSGPVAG 122

243 KRVVQVNTGDDLSSTNHPLOMPGGVYFNGCQSQMNTNTDGMARVGGISISSECDK 302

123 KRVVQVNTGDDLSSTNHPLOMPGGVYFNGCQSQMNTNTDGMARVGGISISSECDK 182

303 LPTOLQAGCKWRGQFKN 345

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

RESULT 13

US-09-229-911A-2

Sequence 2, Application US/09229911A

Patent No. 6387690

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Andersen, Lene N.

Lassen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Ruby I.

Thara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. 6387690el Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESS: No. 63876900 No. 63876900dsk of No. 63876900th America, Inc.

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/229,911A

FILING DATE: 13-Jan-1999

CLASSIFICATION: <Unknown>

PRIORITY APPLICATION DATA:

APPLICATION NUMBER: 08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366,200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 225 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-651-136C-2

Query Match

Best Local Similarity 54.3%; Pred. No. 2.4e-51;

Matches 121; Conservative 26; Mismatches 69; Indels 7; Gaps 4;

Db

129 SSNTGYSPIS---GGFSGNGRTTYMCCCKSCAMDKASVTKPVLTCADGVSRSL 183

4 SATTGFLALPVLALDLSGIGQTRTYMCCCKSCAMDKASVTKPVLTCADGVSRSL 62

184 DVOSGC-VGGQAVMCDNQPMVNTDLAVGFAAASLSAGASAFCCGCELTFTNTAVAG 242

63 STSGCAGAGSAYMCSQSSEFVAVSDELSYGAIVKLAGSESGWCACCELTFTNSGPVAG 122

243 KRVVQVNTGDDLSSTNHPLOMPGGVYFNGCQSQMNTNTDGMARVGGISISSECDK 302

123 KRVVQVNTGDDLSSTNHPLOMPGGVYFNGCQSQMNTNTDGMARVGGISISSECDK 182

303 LPTOLQAGCKWRGQFKN 345

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

Db

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225

183 FPEALKRCQWRFDMFQNAADNPSTVTFQEVACPELSKSSCSR 225


```

1 CLASSIFICATION: <Unknown>
2
3 PRIOR APPLICATION DATA:
4     APPLICATION NUMBER: 08/651,136
5     FILING DATE: 21-MAY-1996
6
7 ATTORNEY/AGENT INFORMATION:
8     NAME: Lambiris, Elias J.
9     REGISTRATION NUMBER: 33,728
10    REFERENCE/DOCKET NUMBER: 4366.200-US
11
12 TELECOMMUNICATION INFORMATION:
13     TELEPHONE: 212-867-0123
14     TELEFAX: 212-878-9655
15
16 INFORMATION FOR SEQ ID NO: 2:
17
18     SEQUENCE CHARACTERISTICS:
19
20         LENGTH: 225 amino acids
21         TYPE: amino acid
22         TOPOLOGY: linear
23
24     MOLECULE TYPE: protein
25
26     SEQUENCE DESCRIPTION: SEQ ID NO: 2:
27
28 US-09-229-911A-2

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	35.8%;	Score 678.5;	DB 4;	Length 225;
Query Match	54.3%;	Pred. No. 2.4e-51;		
Best Local Similarity	26;	Matches 69;	Indels 7;	Gaps 4;
Matches 121;	Conservative			
QY	129	SSNTGYSPIS----	GGFSGNGRTTRTYMDCCKPSCAMDKASVYKPYLTCAK-DGVSLRGS	183
DB	4	SATTFGLALPYLALDQLSGIGOTTRTYMDCCKPSCAMPGKP-SSPYQACDKNDKPLNDGG	62	
QY	184	DVQSGC-VGGQAMCNDNDPMTVNDLALGFPAAALSGAGASAPCCGCTELTFPNTAVAG	242	
DB	63	STSGCDAGSAAWMCSSQSPMAVSELSYGMVAALVLAASSSSQWCACAYELTFPISGVAG	122	
QY	243	KRFVVOVNTTGDLSLTNHFDLQMPGGGVGYFPAQCSQSNNTTWDGKARVGGISISISECDK	302	
DB	123	KKMIQVATNTVGGDLGDNHFDLAIPEGGVGVIPLACTIDYQGAIPNKGMDRYGSIHSKECCES	182	
QY	303	LPTQLAQCKMRGFWKXNDNBEYTFKAVTCAELIATTCGER	345	
DB	183	FPALKRPGCNMRDWFQNDNDSVTFQEVACSELTLSKSGSR	225	

RESULT 14
US-08-651-136C-4
Sequence 4' Application US/08651136C
Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schultein, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kauppinen, Markus S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6001639o No. 6001639disek of No. 6001639yh America, Inc
STREET: 405 Lexington Avenue, 64th Floor
City: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Releasee #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

```

? NAME: Lambiris, Elias J.
? REGISTRATION NUMBER: 33,728
? REFERENCE/DOCKET NUMBER: 4366.200-US
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 212-867-0123
? TELEFAX: 212-878-9655
? INFORMATION FOR SEQ ID NO: 4:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 297 amino acids
? TYPE: amino acid
? TOPOLOGY: linear
? MOLECULE TYPE: protein
US-08-651-136C-4

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	35.8%;	Score 678.5;	DB 3;	Length 297;
	Best Local Similarity	54.3%;	Pred. No. 3.4e-51;	
	Matches 121;	Conservative	26;	Mismatches 65; Indels 7; Gaps 4
QY	129	SSNTGYSPIS---	GGPSNGRTRTRYWDCKPCSCAMDGASVTKPVLTKAK-DGVSRUGS	183
Db	4	SATGFPALPYLALADOLSGIGQTRTRYWDCKPCSCAMPKCP-SBPVQACDKNDNPLNDGG	62	
QY	184	DVSGGC-VGGGAYMCNDNQPVYVNDLLAYGPAASLSGASGAPCCGCGYEILFTNTAVAG	242	
Db	63	STRSGCAGGSAATYCCSSGSPAAVSDSLSYGAAAYLAGSSSQMCCACYTEILFTTSGPVAG	122	
QY	243	KKFVQVNTNGDDLSYTNHFDLQMEGGGVGVENGCOSQMNNTWDGNGARYGGISISIECDK	302	
Db	123	KKMIVQNTNGDGLGDNHFDLAIKCGGQVGIENACTDQYGAIPNWDGRYGIHSKECES	182	
QY	303	LPTQLQAGCKKRCFGMFKKADNDEVTFRKAVTTPAEILATIGER	345	
Db	183	PPEALKPGCKMRFDMFQVADNPSVTYFQGVACPSLETLSGGSR	225	

RESULT 15
US-09-229-911A-4
Sequence 4, Application US/09229911A
Patent No. 6387690
GENERAL INFORMATION:
APPLICANT: Schulein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. 6387690e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 63876900 No. 6387690disk of No. 6387690th America, Inc
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 297 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

ENCE DESCRIPTION: SEQ ID NO: 4:

US-09-229-911A-4

Query Match	35.8%;	Score 678.5;	DB 4;	Length 297;
Best Local Similarity	54.3%;	Pred No 3	40-51;	

Best Local Similarity 54.3%; Pred. No. 3.4e-51;
Matches 131; Concomitance 36; Mismatches 60

Matches 121; Conservative 26; Mismatches 69; Indels 7; Gaps 4;

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OY 129 SNTSYSPS-----GGFSNGRTRTRWDDCKPSCAWDGKASVYKPLVLTAK-DGYBRLCS 183
Db 4 SATTFGLALPVLADLDSIGIGQTRWDDCKKSCAPBGKCP-SSPQACDKNPLINDG 62
OY 184 DVQSGC-VGGQAYMCNDNOPWVYVNDLAVGPAASLGSAGASAPCCGCELTFTNTAAVAG 242
Db 63 STRSGCAGGASAYMCSGSGPMAVSDBLSTGMAAYKLAGSSEQWCCACBELTFTTSPVAG 122
OY 243 KKFVYQVNTNGDGLSTNHFDLQMPGGGCVGTENGCGSQMNTNTDGMGARVGGISSISECK 302
Db 123 KMIIVQANTNGDGLGNHFDLAI PGGGVGI FNACTQYTA PPMGMWDRYGIHSKECES 182
OY 303 LPTLOAGCKMRFGWRYKXANDPEVFKATVCPAEILAKTGCER 345
Db 183 FPEALKPGCNMFDMFQNDNDSVTFQEVACSEBELSKSGCSR 225

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Search completed: June 18, 2003, 17:17:50
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